

# Daniel Andres Jimenez Riveros, MSc-MA

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## Professional Summary

Experienced **Data Scientist** and Software Developer with a strong track record at **Amazon**. Expert in leveraging analytics, **machine learning**, and software engineering to boost efficiency and engagement. Proficient in **AWS** and **deep learning** for innovative solutions. Seeks to merge data science expertise and software skills to foster business growth and actionable insights in a forward-looking role.

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## Work Experience

### AMAZON, Bogotá, Colombia

#### *Software Developer Engineer*

July 2022 - August 2023

- Developed advanced interactive dashboards, enhancing data analysis efficiency for **2,000+ data analysts**, significantly improving decision-making speed and accuracy.
- Optimized application deployment and scalability using **AWS services (EC2, S3, Lambda, DynamoDB, API Gateway, CDK and CloudFormation)**, significantly reducing deployment and maintenance time and increasing scalability.
- Engineered responsive UI/UX front-ends with **Javascript, ReactJS, D3.js, and Redux RTK**, elevating user experience and interaction for key enterprise applications.
- Architected and deployed scalable back-end services using **Typescript, ExpressJS, and NodeJS**, ensuring robust performance and reliability across enterprise systems.
- Implemented critical RESTful APIs, integrating seamlessly with three internal services, empowering over **300 team leaders in the CSBI department** with enhanced data accessibility.

#### *Business Intelligence Analyst*

July 2021 - July 2022

- Utilized **Scikit-learn** and **Pytorch** to train machine learning and deep learning models (regressions, time series, neural networks), achieving **85% accuracy**, improving operational decisions and efficiency.
- Leveraged EDA insights using Python (**Pandas, NumPy, Matplotlib, Seaborn, Altair, SQL**) for strategic machine learning model selection and feature engineering, enhancing product optimization and development.
- Streamlined data preprocessing workflows with **Python**, achieving a **50% reduction in processing time**, significantly accelerating project timelines.
- Created dynamic, high-quality visuals with **R(ggplot2)** and **Python(Pandas, NumPy, Matplotlib, Seaborn, Altair)** to represent complex analyses, improving stakeholder understanding of **data science** insights.

#### *Information Technology Intern*

January 2021 - July 2021

- Played a key role in the full-stack development of critical internal tools using **JavaScript, Reactjs, nodejs, HTML, and CSS**, directly benefiting over **9,000 Amazon employees through enhanced usability and productivity**.
- Spearheaded the design of intuitive **UI components and icons with Figma**, significantly improving user experience across four major internal applications.
- Acquired and applied knowledge of core **AWS services** and proprietary tools essential for application development, facilitating the robust and scalable deployment of internal applications.

### UNIVERSITY OF THE BOSQUE, Bogotá, Colombia

#### *Professor, Humanities Department*

August 2022 - June 2023

- Introduced art students to **AI and deep learning concepts**, applying low code resources to create art projects, which fostered an understanding of how modern AI techniques can innovate artistic expression.
- Instructed 35 students per term in programming languages and frameworks focus in creative coding, such as **ThreeJS, Arduino, C++ and D3js**.
- Mentored students in project-based learning, offering personalized guidance and feedback to help them develop innovative digital artworks and interactive projects.

### AQSTICA S.A.S, Bogotá, Colombia

#### *Data Analyst*

February 2018 - November 2020

- Applied basic unsupervised learning techniques with **Python(scikit-learn)** to segment customers, driving **targeted marketing and product improvements**.
  - Analyzed complex datasets using **Python(Pandas, Numpy)** to strategic decisions, **boosting operational efficiency by 10% in revenue**.
  - Automated data cleaning and transformation with **Python, SQL and MongoDB**, enhancing data quality by **25% and cutting processing time by 40%**.
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## Education

University of British Columbia, Vancouver, Canada  
Master of Data Science in Computational Linguistics

Coursing

Universidad de los Andes, Bogotá, Colombia  
Master in Information Technology  
Bachelor in Industrial Engineering  
Bachelor in Arts  
Fundacion Universitaria Jorge Tadeo Lozano, Bogotá, Colombia  
Graduate Diploma in Project Management

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## Awards & Achievements

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| • COLFUTURO Scholarship       | 2023 |
| • Data Science for All (DS4A) | 2018 |
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## Skills

### Data Science

- Languages: Python, R, SQL
- Libraries: Pandas, Numpy, Matplotlib, Seaborn, Altair, Scikit-learn (Sklern), Pytorch
- Techniques: Neural Networks, Machine Learning, Deep Learning

### Software Development

- Web Development: Flask, NodeJS, D3js, ReactJS, HTML, CSS, Redux
- Languages: Typescript, Javascript, Java
- Databases: MongoDB
- Tools: GitHub, Git

### UI/UX

- Design Tools: Figma, Adobe XD, Photoshop, Illustrator
- Video Editing: Premier Pro

### Others

- Cloud Services: AWS (EC2, S3, Lambda, API Gateway), CDK, CloudFormation, DynamoDb
- Programming: C++, Arduino
- Visualization: ThreeJS
- Productivity: Microsoft Suite